

Title (en)

DNA construct and process for the fermentative production of fusion proteins

Title (de)

DNS-Konstrukt und Verfahren zur fermentativen Herstellung von Fusionsproteinen

Title (fr)

Construction d'ADN et procédé pour la production par fermentation de protéines de fusion

Publication

EP 1916305 B1 20100630 (DE)

Application

EP 07118379 A 20071012

Priority

DE 102006050332 A 20061025

Abstract (en)

[origin: EP1916305A1] DNA construct for producing a target protein in Escherichia colicomprises a sequence coding for a signal peptide linked to an Escherichia colispy gene, which is linked via a gene coding for a cleavable sequence to a gene coding for the target protein. Independent claims are also included for: (1) plasmic containing the DNA construct; (2) producing a microbial strain that secretes a fusion protein by introducing the DNA construct or plasmid into a microbial strain of the Enterobacteriaceae family; (3) microbial strain (M1) containing the DNA construct or plasmid; (4) fusion protein (P1) comprising Spy protein, a target protein and a cleavable sequence; (5) producing a fusion protein by culturing M1 in a fermentation medium to form P1 and separating the medium from the cells of M1.

IPC 8 full level

C12N 15/70 (2006.01)

CPC (source: EP US)

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Cited by

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EP 1916305 A1 20080430; EP 1916305 B1 20100630; DE 102006050332 A1 20080430; DE 502007004242 D1 20100812; JP 2008104462 A 20080508; JP 4783351 B2 20110928; US 2008166764 A1 20080710; US 7943341 B2 20110517

DOCDB simple family (application)

EP 07118379 A 20071012; DE 102006050332 A 20061025; DE 502007004242 T 20071012; JP 2007278064 A 20071025; US 92401907 A 20071025